

Center for Aerospace Science Technology

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Established as a center in 1988 to continue development of small low-earth orbiting satellites. It has expanded into a generalized technology incubation and development center that also provides engineering services to local companies. Research projects are geared toward demonstrating low-cost space technology.

Overview	Technologies	Status	Economic Impact
Current State Contract \$50,000	* Small satellite design including features such as	* Websat satellite launched January 1990. Operational in polar orbit demonstrating advanced small satellite technology.	* Magnetometer developed by center has been licensed by Orchid Engineering of Huntsville, Utah
Matching Funds \$400,883	-particle detector	* Working with Southern California Edison in studying special application of satellite for power utility.	* Helped move new company to Utah, Intraspace with 20 jobs and \$6 million in contracts.
Cumulative \$2,044,949	-color camera	* Working on a satellite video digitizer with University of Alabama at Huntsville	
Industry Jobs Created 25	-light detection for ozone mapping	* Currently working on NASA ACTS program.	
Center Related Jobs 9	-microcomputer	* Commercial applications of small satellites and availability of launch opportunities is being explored with Dept. of Defense.	
Benefiting Utah Companies 1	-packet radio communications	* Working on contract with Honeywell to design a space camera for altitude determination in satellites	* Development of small satellite is attracting business to Utah for aerospace design and manufacturing
Spinoff companies 1		* Designed sun sensor to be used on Navy satellite.	* Working with PacifiCorp to establish a Utah company to manufacture ground stations for small satellite applications
Moved to Utah 1		* Working with Wasatch Research on a Jet Propulsion Laboratory study on satellite monitoring and interception of comets and asteroids.	
Patents Applied -	* Development of sun angle detector	* Working with Everett and Winthrop in development of an automated biomedical machine.	
Patents Issued -			
License Agreements -	* Satellite Doppler beacon		